

CLAIMS

What is claimed is:

1. A cell comprising:
a nucleic acid sequence encoding adenovirus E1A and E1B gene products;
wherein the cell lacks a nucleic acid sequence encoding a functional or active pIX gene product.

2. The cell of claim 1, wherein the nucleic acid sequence encoding the adenovirus E1A and E1B gene products lacks the nucleic acid sequence encoding the functional or active pIX gene product.

3. The cell of claim 1, further comprising nucleotides 459-3510 of the human adenovirus 5 genome.

4. The cell of claim 1, wherein the cell is of a retina cell origin.

5. The cell of claim 1, wherein the cell is of a primary cell origin.

6. The cell of claim 1, wherein the cell is of an embryonal cell origin.

7. The cell of claim 1, wherein the cell is a human cell.

8. The cell of claim 1, wherein the nucleic acid sequence encoding the adenovirus E1A and E1B gene products is integrated in a genome of the cell.

9. The cell of claim 1, wherein the cell is a PER.C6 cell as deposited under no. 96022940 at the ECACC, or a derivative thereof.

10. The cell of claim 1, further comprising a nucleic acid sequence encoding an adenovirus E2A gene product.

11. The cell of claim 10, wherein the adenovirus E2A gene product includes a temperature sensitive 125 mutation.

12. An isolated cell comprising:
a first nucleic acid sequence encoding adenovirus E1A and E1B proteins, said cell lacking a nucleic acid sequence encoding active pIX protein.

13. The isolated cell of claim 12, wherein the first nucleic acid sequence encoding the adenovirus E1A and E1B proteins lacks a nucleic acid sequence encoding active pIX protein.

14. The isolated cell of claim 12, further comprising nucleotides 459-3510 of the human adenovirus 5 genome incorporated therein.

15. The isolated cell of claim 12, wherein the isolated cell is of a retina cell origin.

16. The isolated cell of claim 15, wherein the isolated cell is a human cell.

17. The isolated cell of claim 12, wherein the nucleic acid sequence encoding the adenovirus E1A and E1B proteins is integrated into the isolated cell's genome.

18. The isolated cell of claim 16, wherein the isolated cell originates from a PER.C6 cell as deposited under no. 96022940 at the ECACC, or a derivative thereof.

19. The isolated cell of claim 12, further comprising a nucleic acid sequence encoding an adenovirus E2A protein.

20. The isolated cell of claim 19, wherein the adenovirus E2A protein includes a temperature sensitive 125 mutation.